

[] (Direct Link Setup)

IEEE 802.11 Task Group z

2007 9 17 ~21 Honolulu IEEE 802.11 , Task Group(TG) z 가 . TGz , IEEE 802.11a/b/g IEEE 802.11e (QSTA ; QoS STAtion) (Direct Link Setup) (Power Saving Mode) 가 .

IEEE 802.11e medium access control(MAC)

, QSTA

, QSTA

Access Point(AP)

2

QSTA

AP가

가

가

TGz IEEE 802.11e MAC

QSTA

IEEE 802.11e MAC

가 .

IEEE 802.11 TGz

TGz

IEEE 802.11a/b/g AP

가 .

, IEEE 802.11e

QSTA

, QSTA

(DLS Setup

Request),

(DLS Setup Response),

(DLS Teardown)

(management action frame)

AP

QSTA

Tunneled Direct Link Setup(TDLS)

(DLS

Setup Request),

(DLS Setup Response),

(DLS

Teardown)

(management action frame)

(encapsulation)

< 1> TDLS

. TDLS

(DLS Setup)

(DLS teardown)

(management action frame)

TDLS frame

LLC/SNAP header Ether Type

< 1> TDLS Type TDLA

. TDLS

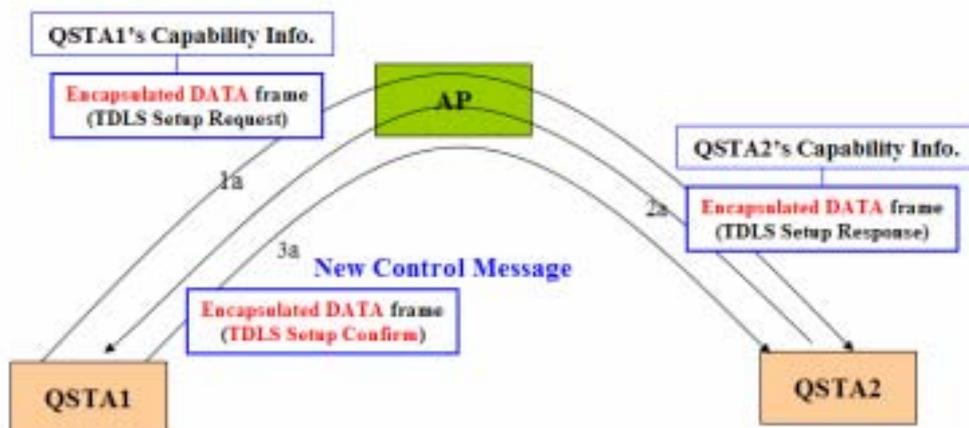
, TDLS (Setup Request), TDLS (Setup Response), TDLS (Setup Confirm), TDLS (Teardown Request), TDLS (Teardown Response)

	MAC Header	LLC/SNAP	TDLS Type	Information	CRC
Octets:	variable	8	1	variable	4

< 1> TDLS

< 2> TDLS . QSTA1 TDLS (Setup Request)
 QSTA 2 . TDLS (Setup Request)
 (encapsulation) , QSTA1 capability information . TDLS
 (Setup Request) QSTA2 TDLS (Setup Response) QSTA1

TDLS (management action frame)
 (encapsulation) , IEEE 802.11e DLS
 TDLS (Setup Confirm) TDLS
 , TDLS (Setup Response) QSTA1 TDLS (Setup Confirm)
 QSTA2 . QSTA2 TDLS (Setup Confirm) , TDLS

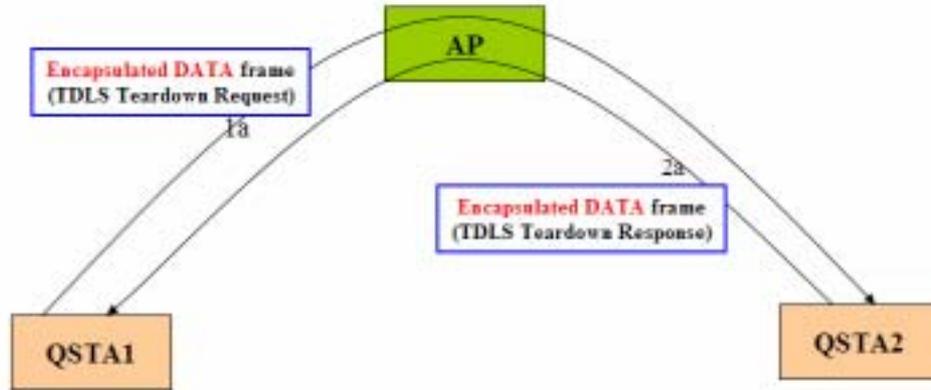


< 2> TDLS Setup Mechanism

< 3> TDLS . QSTA1 TDLS (Teardown Request)
 QSTA 2 . TDLS (Teardown Request) QSTA2
 TDLS (Teardown Response) QSTA1 . QSTA1 TDLS

(Teardown Response)

, TDLS



< 3> TDLS Teardown Mechanism

TGz

, QSTA

(security)

. AP가

QSTA

AP가

(Off-

channel TDLS

. Off-channel TDLS

AP

< >

- 1) Proposed Draft for TGz – Tunneled Direct Link Setup (TDLS), IEEE 802.11 -2515r4.
- 2) Enhanced Direct Link Setup in nDLS, IEEE 802.11 -07/2567r0.

(LG

PAN

, yhseok@lge.com)